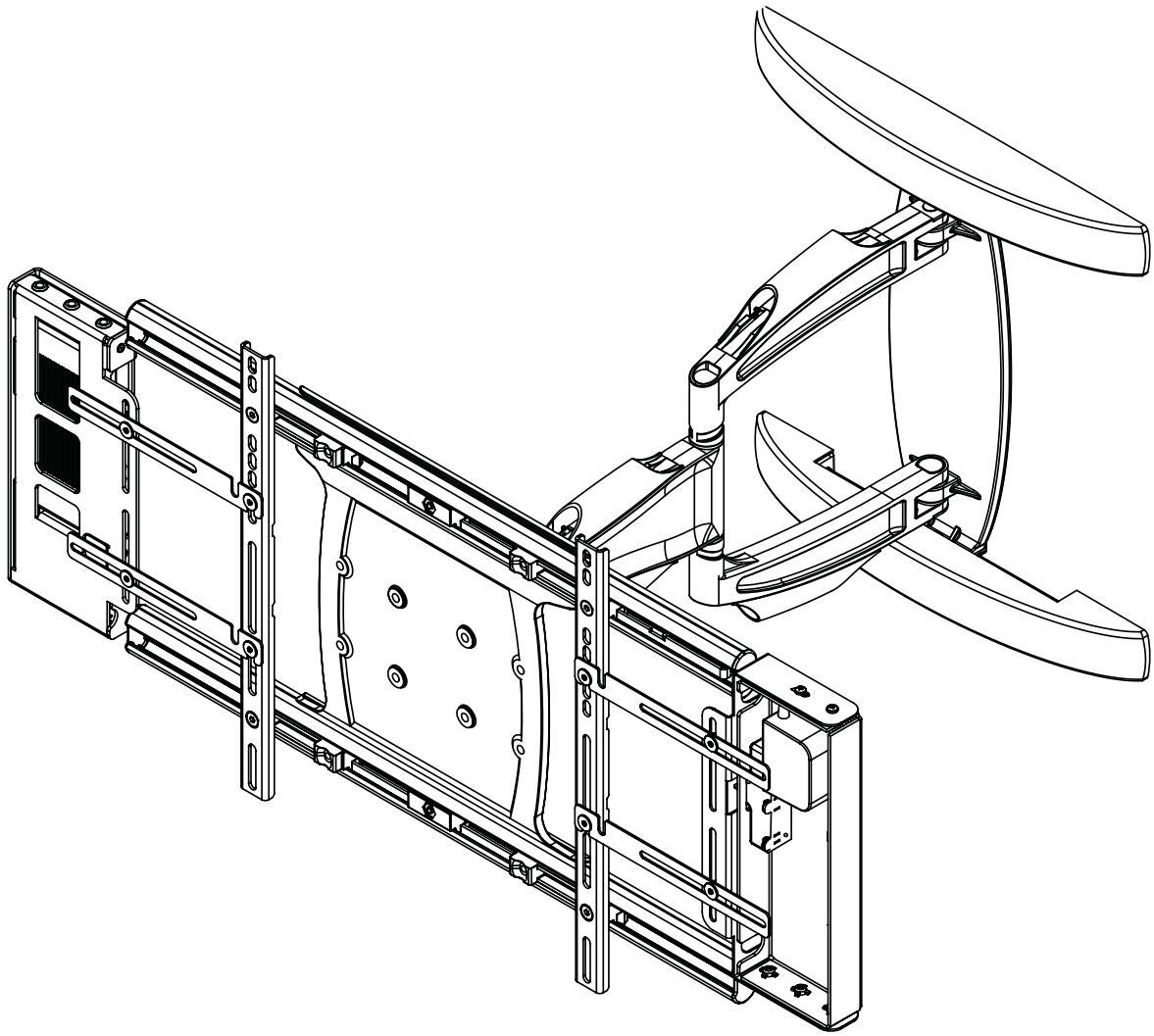
peerless-AV®

Installation and Assembly:

Wireless Articulating Arm Wall Mount for 42" to 60" Flat Panel Displays

Model: WL-SA761PU-200



Maximum Load Capacity: 130 lbs (59 kg)

2300 White Oak Circle • Aurora, Il 60502 • (800) 865-2112 • Fax: (800) 359-6500 • www.peerless-av.com

ISSUED: 08-24-12 SHEET #: 180-9036-3 10-31-12

Note: Read entire instruction sheet before you start installation and assembly.

⚠ WARNING

- Do not begin to install your Peerless product until you have read and understood the instructions and warnings contained in this Installation Sheet. If you have any questions regarding any of the instructions or warnings, for US customers please call Peerless customer care at 1-800-865-2112, for all international customers, please contact your local distributor.
- This product should only be installed by someone of good mechanical aptitude, has experience with basic building construction, and fully understands these instructions.
- Make sure that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.
- Never exceed the Maximum Load Capacity. See page one.
- If mounting to wood wall studs, make sure that mounting screws are anchored into the center of the studs. Use of an "edge to edge" stud finder is highly recommended.
- Always use an assistant or mechanical lifting equipment to safely lift and position equipment.
- Tighten screws firmly, but do not overtighten. Overtightening can damage the items, greatly reducing their holding power.
- This product is intended for indoor use only. Use of this product outdoors could lead to product failure and personal injury.
- This product was designed to be installed on the following wall construction only;

WALL CONSTRUCTION	HARDWARE REQUIRED
• Wood Stud	Included
• Wood Beam	Included
• Solid Concrete	Included
• Cinder Block	Included
• Metal Stud	Contact Qualified Professional
• Brick	Contact Qualified Professional
• Other or unsure?	Contact Qualified Professional

Tools Needed for Assembly

- stud finder ("edge to edge" stud finder is recommended)
- phillips screwdriver
- drill
- 3/16" (5mm) drill bit for wood studs, 3/8" (10mm) drill bit for concrete
- level
- 7/16" open end wrench

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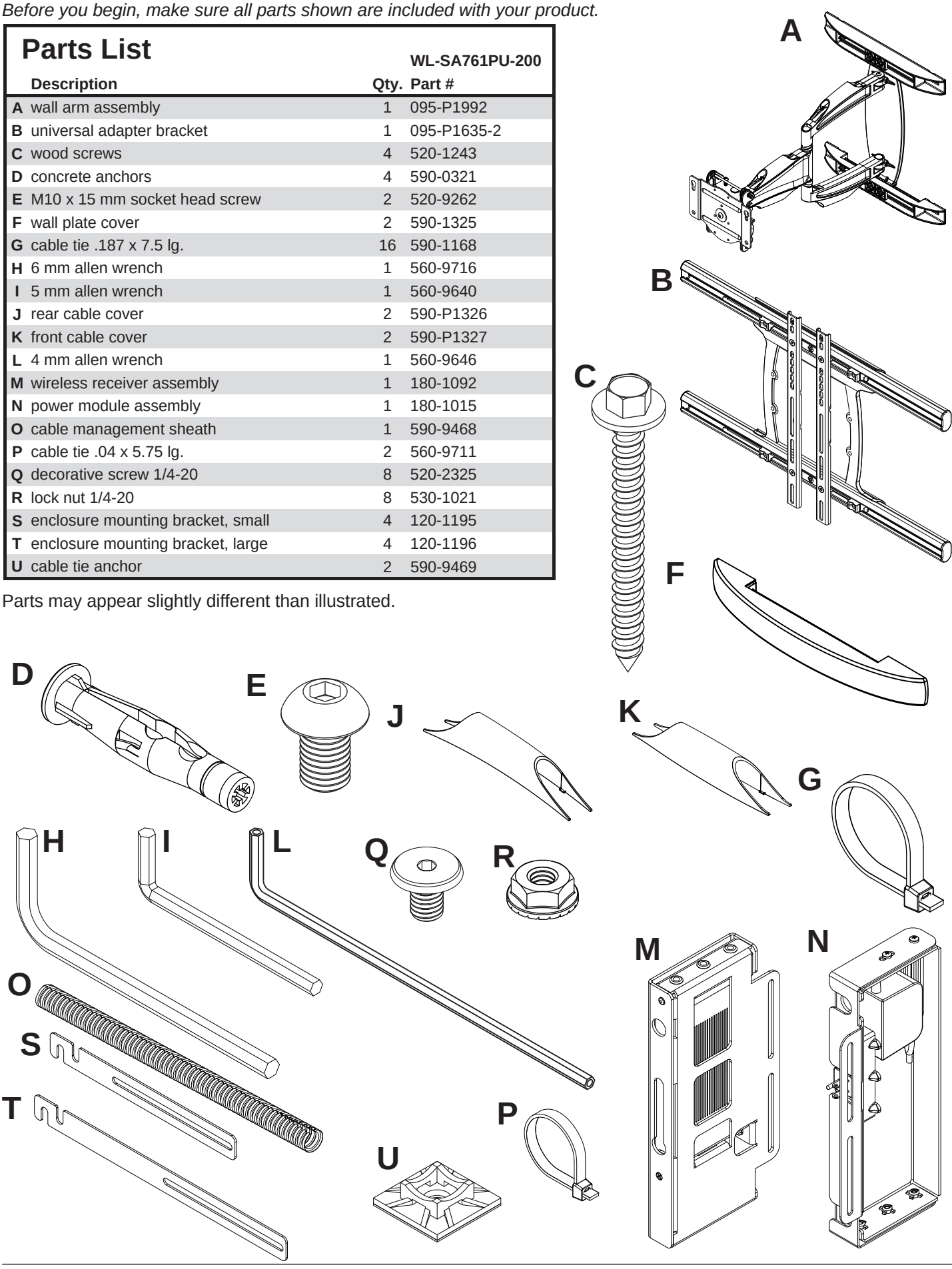
Before you begin, make sure all parts shown are included with your product.

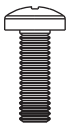
Parts List

	Description	Qty.	WL-SA761PU-200 Part #
A	wall arm assembly	1	095-P1992
B	universal adapter bracket	1	095-P1635-2
C	wood screws	4	520-1243
D	concrete anchors	4	590-0321
E	M10 x 15 mm socket head screw	2	520-9262
F	wall plate cover	2	590-1325
G	cable tie .187 x 7.5 lg.	16	590-1168
H	6 mm allen wrench	1	560-9716
I	5 mm allen wrench	1	560-9640
J	rear cable cover	2	590-P1326
K	front cable cover	2	590-P1327
L	4 mm allen wrench	1	560-9646
M	wireless receiver assembly	1	180-1092
N	power module assembly	1	180-1015
O	cable management sheath	1	590-9468
P	cable tie .04 x 5.75 lg.	2	560-9711
Q	decorative screw 1/4-20	8	520-2325
R	lock nut 1/4-20	8	530-1021
S	enclosure mounting bracket, small	4	120-1195
T	enclosure mounting bracket, large	4	120-1196
U	cable tie anchor	2	590-9469

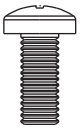
Parts may appear slightly different than illustrated.



Adapter Bracket Fasteners


M4 x 12mm (6)
(504-9013)

M4 x 25mm (4)
(504-1015)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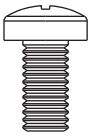
(520-1027)

M5 x 25mm (4)
(520-9543)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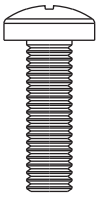
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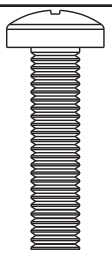
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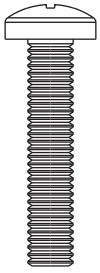
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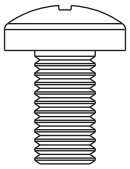
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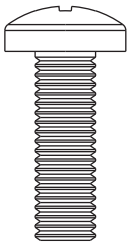
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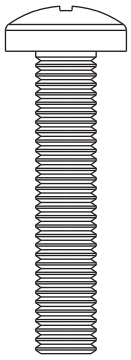
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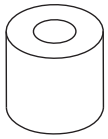
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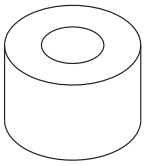
(540-1057)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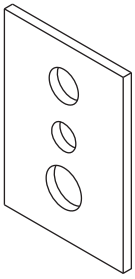
multi-washer (6)
(580-1036)

Additional Wireless Components

wireless transmitter (1)
(180-1202)

vga to rca adapter (1)
(180-1006)

plastic stand (1)
(180-1205)

remote (1)
(180-1207)

install guide (1)
(LIT-0905)

3v battery (1)
(180-0008)

12v power adapter (1)
(180-1004)

ir flasher (1)
(180-1009)

hdmi cable (2)
(600-0234)

instruction sheet (1)
(180-9023)

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Optional Horizontal Adjustment of Wall Arm on Wall Plate

1 **NOTE:** If mounting wall arm (**A**) to wood stud walls, slots on wall plate must align to wood studs.

Determine desired location of display center detailed in step 2.

Measure the distance from the center of wall arm (**A**) to desired display center. Loosen four 1/4-20 x 17mm screws using 5mm allen wrench (**I**). Slide wall arm assembly 4-1/2" to the left or right as shown in figure 1.1. **NOTE:** Align bevels (dots) of slide plate with bevels (dots) of wall plate rails as shown in detail 1 then retighten 1/4-20 x 17mm screws.

Do not adjust arm while display is attached.

Skip to page 6 for Wood Stud Installation.
Skip to page 7 for Concrete and Cinder Block Installation.

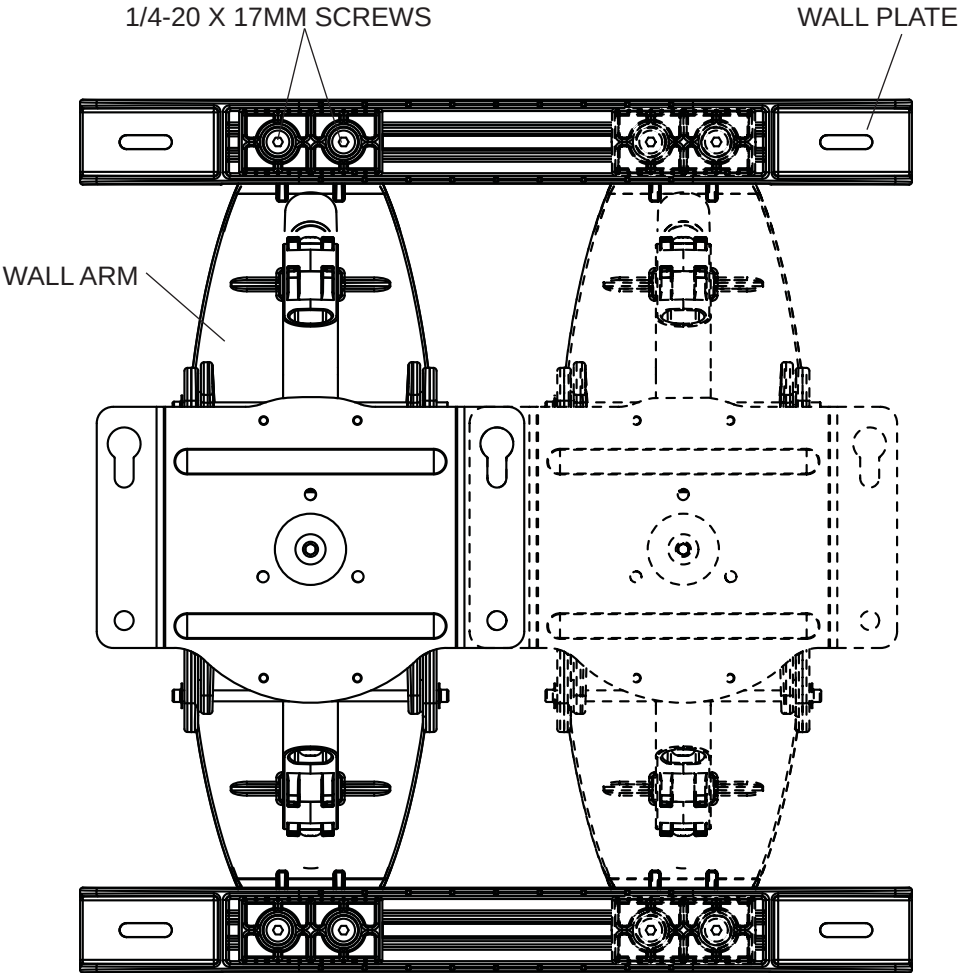
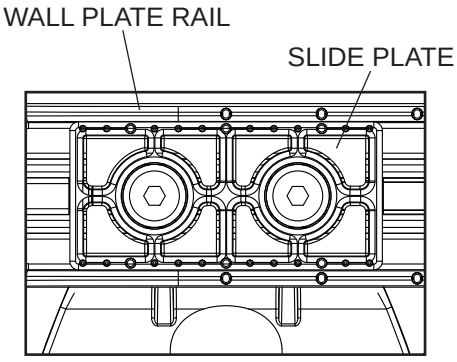


fig. 1.1



DETAIL 1

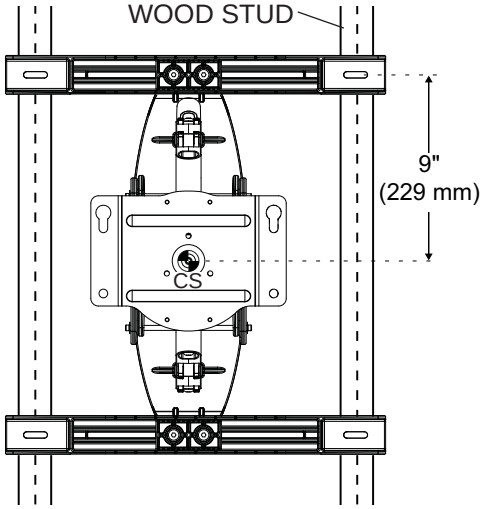
Installation to Double-Stud Wall

⚠ WARNING

- Installer must verify that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.
- Tighten wood screws so that wall plate is firmly attached, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Never tighten in excess of 80 in. • lb. (9 N.M.).
- Make sure that mounting screws are anchored into the center of the stud. The use of an "edge to edge" stud finder is highly recommended.
- Hardware provided is for attachment of mount through standard thickness drywall or plaster into wood studs. Installers are responsible to provide hardware for other types of mounting situations.

2 Use a stud finder to locate the edges of the studs and draw a vertical line down the center of each stud. Determine and mark the desired display center on the wall. Place wall plate template (wall arm) on wall with top mounting slots 9" (229mm) above desired display center as shown in figure 2.1. Level wall plate template (wall arm) on wall and mark center of four mounting holes making sure that the mounting holes are on the stud centerlines. Drill four 3/16" (5mm) dia. pilot holes to a depth of 3" (76mm). Attach wall arm (**A**) to wall using four wood screws (**C**) as shown in fig. 2.2.

Level wall plate then tighten all fasteners.



CS = CENTER OF DISPLAY

fig. 2.1

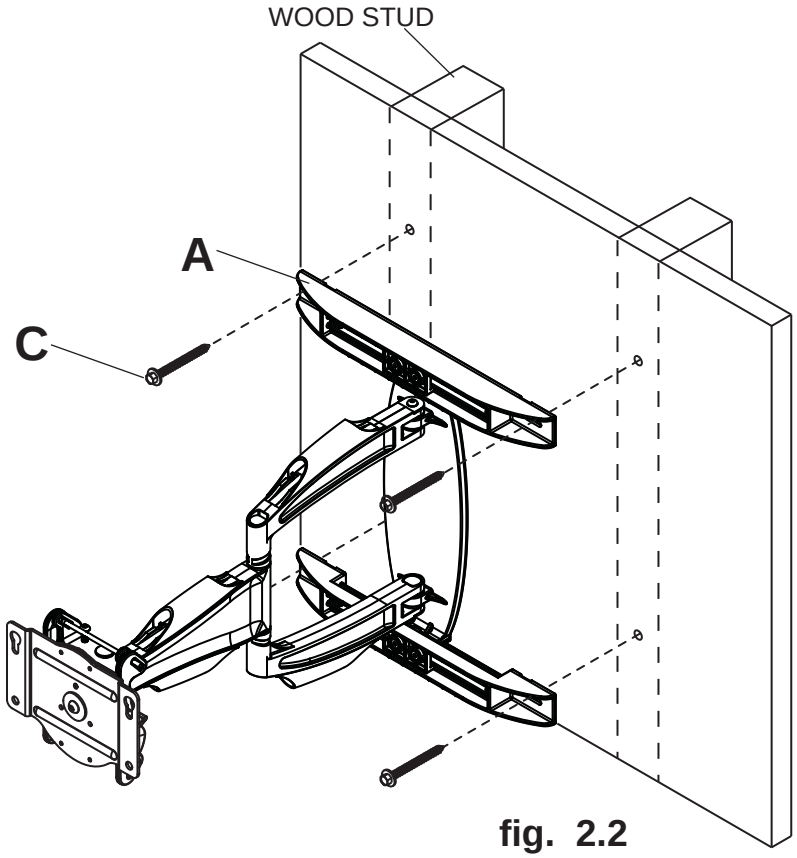


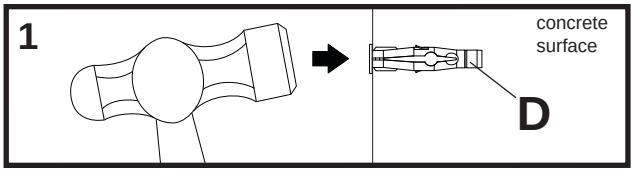
fig. 2.2

Installation to Solid Concrete or Cinder Block

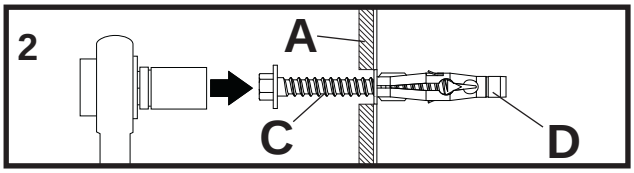
⚠ WARNING

- When installing Peerless wall mounts on cinder block, verify that you have a minimum of 1-3/8" (35mm) of actual concrete thickness in the hole to be used for the concrete anchors. Do not drill into mortar joints! Be sure to mount in a solid part of the block, generally 1" (25mm) minimum from the side of the block. Cinder block must meet ASTM C-90 specifications. It is suggested that a standard electric drill on slow setting is used to drill the hole instead of a hammer drill to avoid breaking out the back of the hole when entering a void or cavity.
- Concrete must be 2000 psi density minimum. Lighter density concrete may not hold concrete anchor.
- Make sure that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.

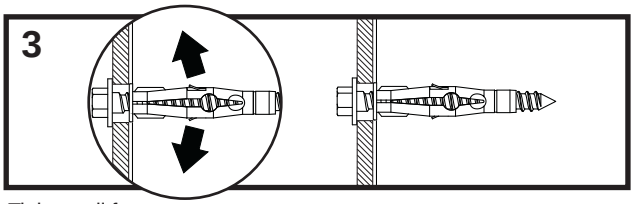
2 Determine and mark the desired display center on the wall. Place wall plate template (wall arm) on wall with top mounting slots 9" (229mm) above desired display center as shown in figure 2.1. Level wall plate template (wall arm) on wall and mark center of four mounting holes making sure that the mounting holes. Drill four 3/8" (10mm) dia. pilot holes to a depth of 3" (76mm). Insert anchors (**D**) into holes flush with wall as shown (right). Place wall arm over anchors and secure with 5/16 x 3" screws (**C**). Level, then tighten all fasteners.



Drill holes and insert anchors (**D**).



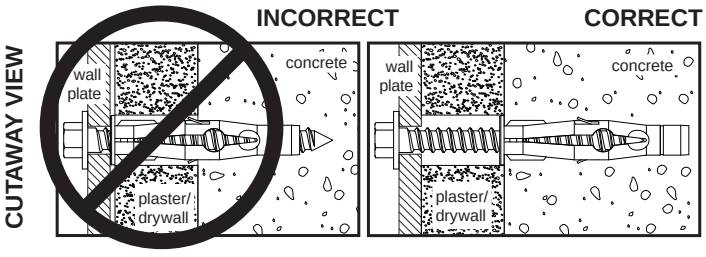
Place plate (**A**) over anchors (**D**) and secure with screws (**C**).

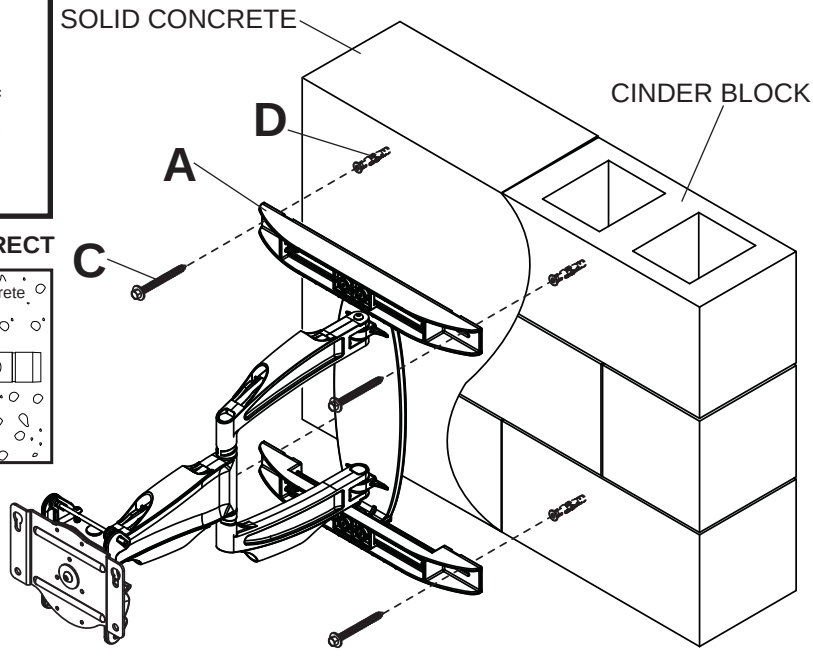


Tighten all fasteners.

⚠ WARNING

- Tighten screws so that wall plate is firmly attached, but do not overtighten. Overtightening can damage screws, greatly reducing their holding power.
- Never tighten in excess of 80 in. • lb.. (9 N.M.).
- Always attach concrete expansion anchors directly to load-bearing concrete.
- Never attach concrete expansion anchors to concrete covered with plaster, drywall, or other finishing material. If mounting to concrete surfaces covered with a finishing surface is unavoidable, the finishing surface must be counterbored as shown below. Be sure concrete anchors do not pull away from concrete when tightening screws. If plaster/drywall is thicker than 5/8" (16mm), custom fasteners must be supplied by installer.





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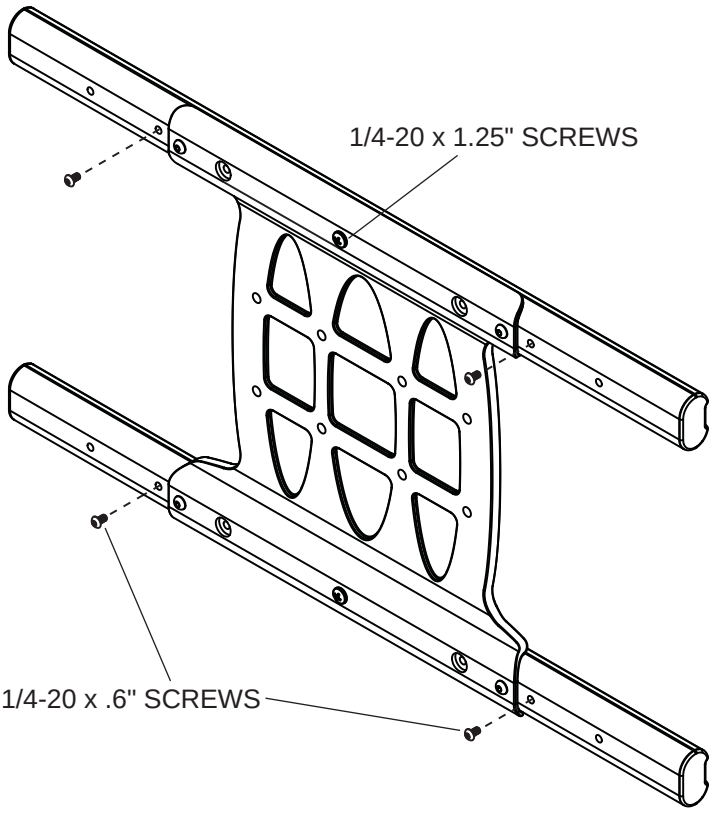
Adapter Bracket Adjustment

NOTE: If display has a VESA 400 horizontal mounting pattern, skip to step 4 on page 9.

NOTE: For VESA 200x200 or VESA 200x100 mount hole patterns, s*kip to step 5 on page 12*.

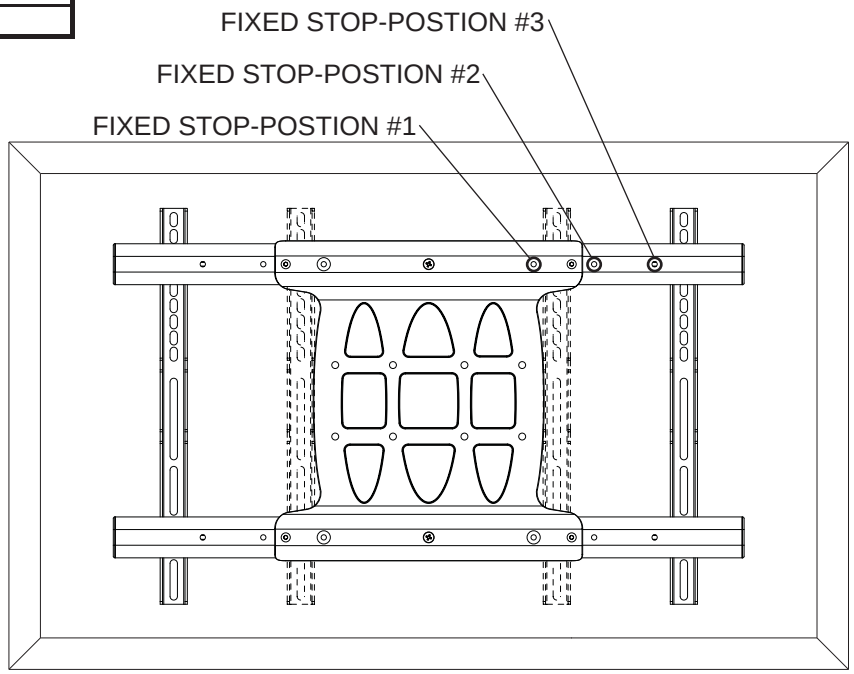


3 Remove four 1/4-20 x .6" screws using 5mm allen wrench (**I**) and loosen two 1/4-20 x 1.25" screws 1/2 turn to allow for display bracket adjustment.

3-1 To prevent scratching the display, set a cloth on a flat, level surface that will support the weight of the display. Place display face side down and refer to display manufacturers instructions for removing obstructions from the back of the display. Adjust display brackets to align with display mounting holes.

Measure horizontal mounting hole pattern and choose fixed stop-position from chart below.

horizontal mounting hole pattern	fixed stop-position
10-3/4" - 16-1/16" (273 - 408 mm)	#1
15-1/16" - 21-9/16" (383 - 548 mm)	#2
20-7/16" - 27-9/16" (519 - 700 mm)	#3



Wireless Receiver Assembly and Power Module Assembly Installation

NOTE: The Wireless Receiver Assembly and Power Module Assembly position can be interchanged based on the display's connector panel location. Install Wireless Receiver Assembly on the side closest to the connector panel.

4

Loosely attach the small enclosure mounting brackets (**S**) on the wireless receiver assembly (**M**) with two 1/4-20 decorative screws (**Q**) and two 1/4-20 nuts (**R**) as shown in fig. 4.1. **NOTE**: The enclosure mounting bracket can be installed with the inside notch facing downward if additional side to side adjustment is needed. Attach the mounting brackets (**S**), open end of notch facing downward, to the left display bracket with two 1/4-20 decorative screws (**Q**) and two 1/4-20 nuts (**R**) as shown in fig. 4.2.

Position the wireless receiver assembly approximately 1/4" from the universal adapter as shown in detail 2. Once in position, tighten the four 1/4-20 decorative screws (**Q**) using 4mm allen wrench (**L**).

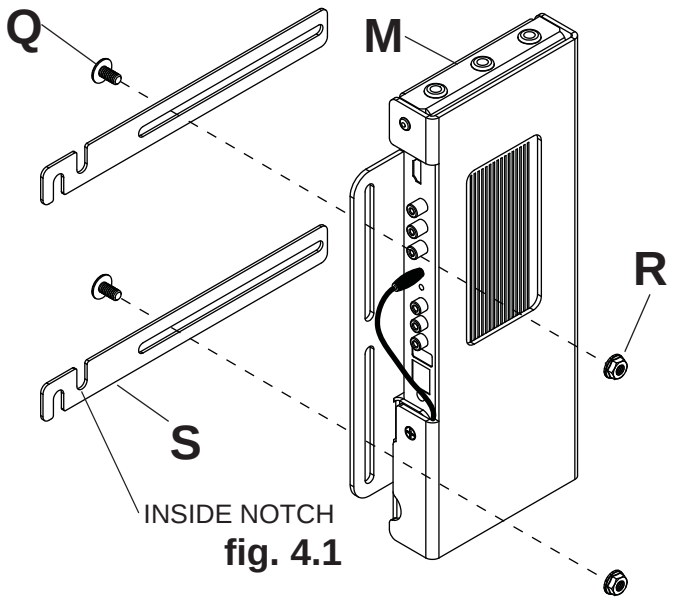


fig. 4.1

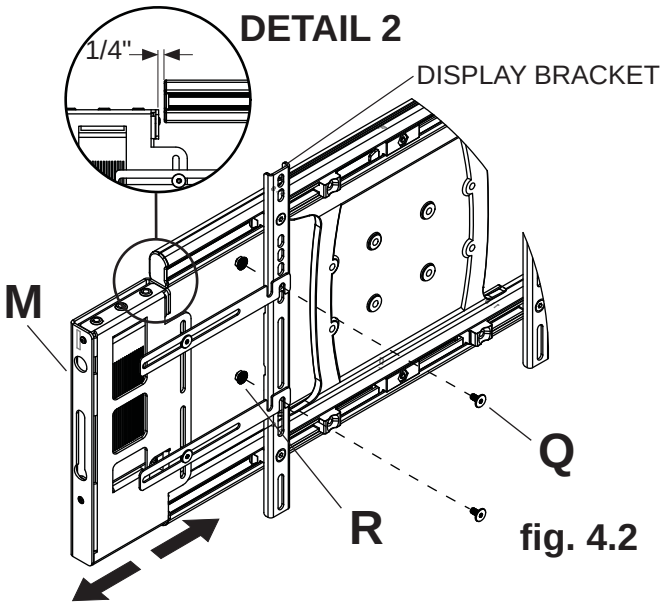


fig. 4.2

5

Loosely attach the enclosure mounting brackets (**S**) on the power module assembly (**N**) with two 1/4-20 decorative screws (**Q**) and two 1/4-20 nuts (**R**) as shown in fig. 5.1. **NOTE**: The enclosure mounting bracket can be installed with the inside notch facing downward if additional side-to-side adjustment is needed. Attach the mounting brackets (**S**), open end of notch facing downward, to the right display bracket with two 1/4-20 decorative screws (**Q**) and two 1/4-20 nuts (**R**) as shown in fig. 5.2.

Position the power module assembly approximately 1/4" from the universal adapter as shown in detail 2. Once in position, tighten the four 1/4-20 decorative screws (**Q**) using 4mm allen wrench (**L**).

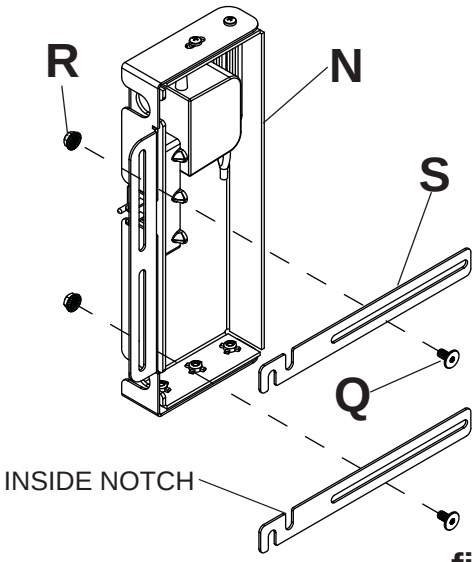


fig. 5.1

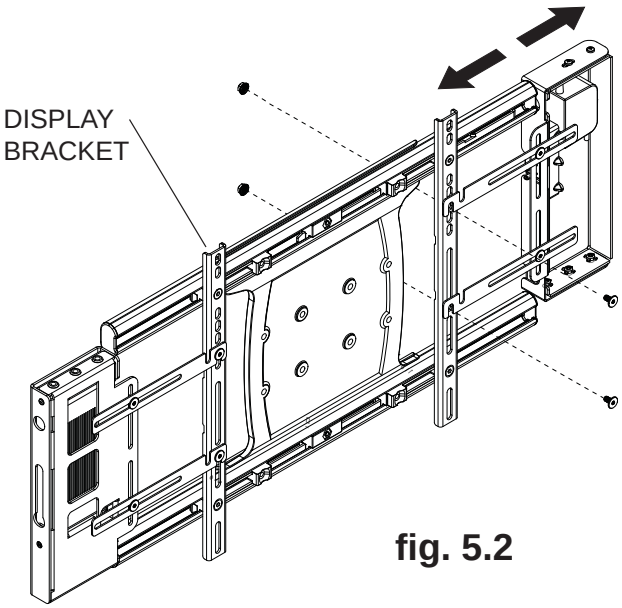


fig. 5.2

Installing Adapter Brackets to Display

⚠ WARNING

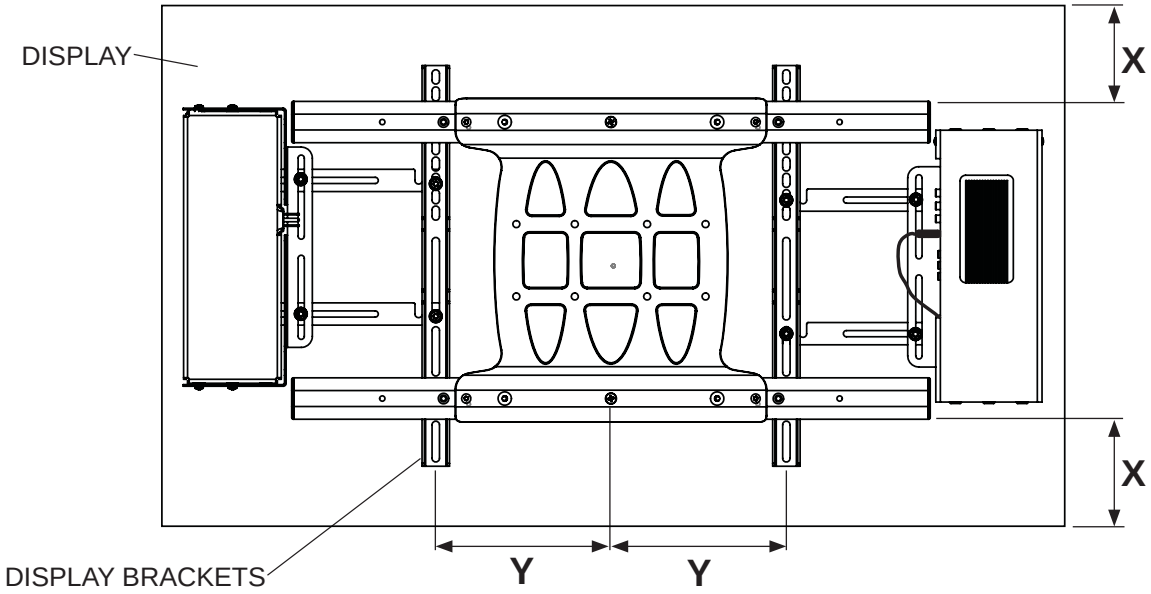
- Tighten screws so display brackets are firmly attached to display. Do not tighten with excessive force. Overtightening can cause stress damage to screws, greatly reducing their holding power and possibly causing screw heads to become detached. Tighten to 40 in. • lb. (4.5 N.M.) maximum torque.
- If screws don't get three complete turns in the display inserts or if screws bottom out and bracket is still not tightly secured, damage may occur to display or product may fail.

6 Select the screws from the baffled fastener pack that best fit your display and secure to display following step 6-3 or 6-4 on page 11.

NOTE: Top and bottom mounting holes must be used for attaching display brackets. Middle holes should also be used where the fasteners and displays allow.

Verify that all holes are properly aligned, then tighten screws using a phillips screwdriver.

CENTER DISPLAY BRACKETS VERTICALLY AND HORIZONTALLY ON BACK OF DISPLAY

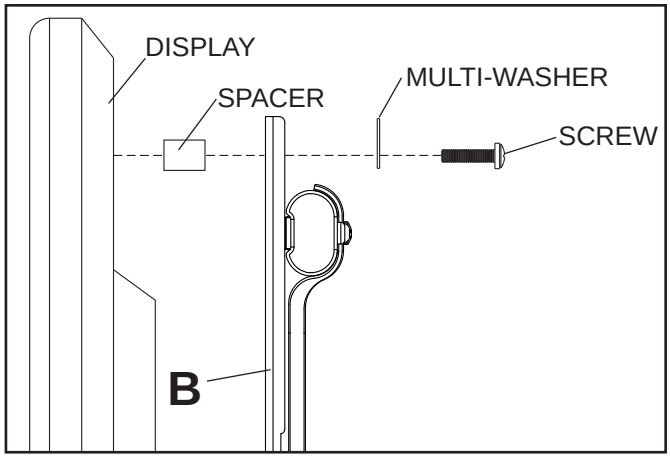


NOTE: "X" dimensions should be equal.
"Y" dimensions should be equal.

6-1

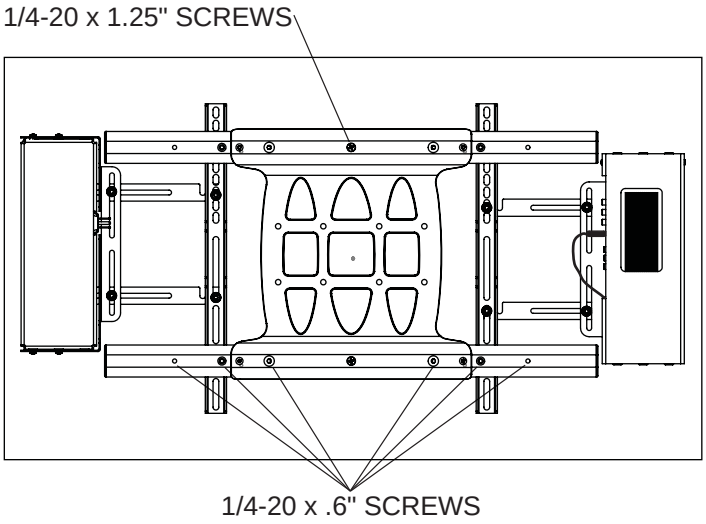
NOTE: Wireless Receiver and Power Box removed for clarity.

Begin with the longest length screw, hand thread screw through multi-washer, display brackets (**B**) and spacer in that order into display as shown below. Screw must make at least three full turns into the mounting hole and fit snug into place. Do not over tighten. If screw cannot make three full turns into the display, select a shorter length screw from the baffled fastener pack. Repeat for remaining mounting holes, level display brackets and tighten screws.



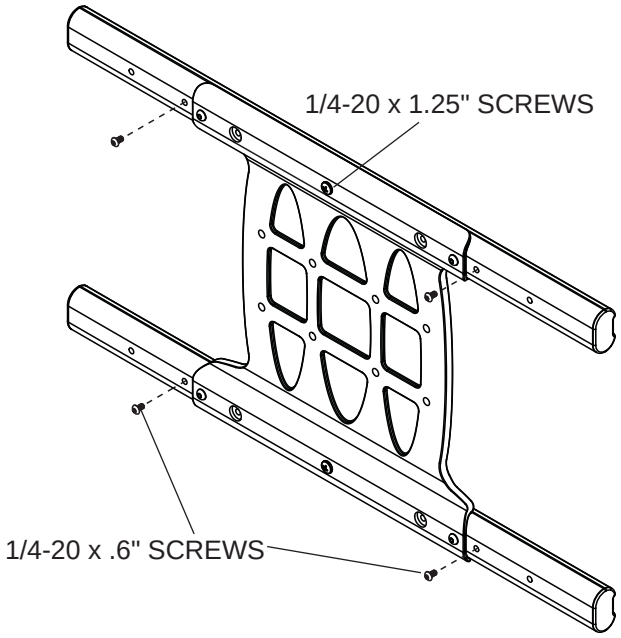
6-2

Center display brackets horizontally and vertically on back of display. Tighten two 1/4-20 x 1.25" screws. Reinstall four 1/4-20 x .6" screws using 5mm allen wrench (**I**) into appropriate fixed-stop position from chart on page 8.



Wireless Receiver and Power Module Installation VESA 200 x 200 or VESA 200 x 100 Mounting Pattern

7 Remove four 1/4-20 x .6" screws using 5mm allen wrench (**I**) and loosen two 1/4-20 x 1.25" screws 1/2 turn to allow for display bracket adjustment.



7-1 Remove four 1/4-20 self tapping screws to detach display brackets from outer mount holes of universal adapter bracket (**B**) using 5mm allen wrench (**I**) as shown in figure 7.1. Reinstall four 1/4-20 self tapping screws to secure display brackets to inner set of mounting holes on universal adapter bracket (**B**) as shown in figure 7.2.

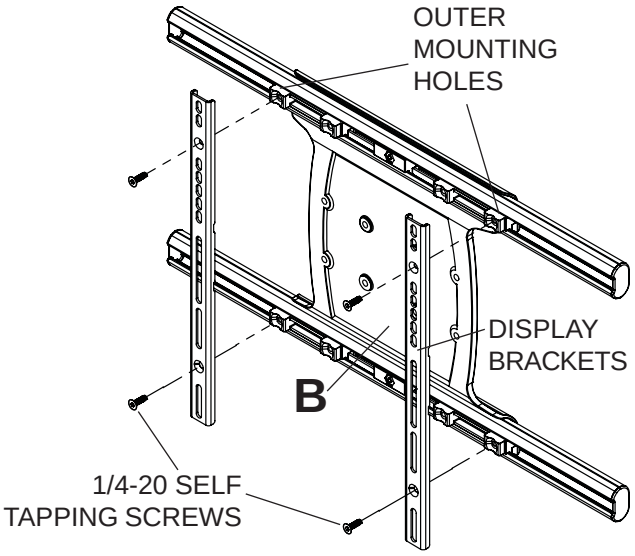


fig. 7.1

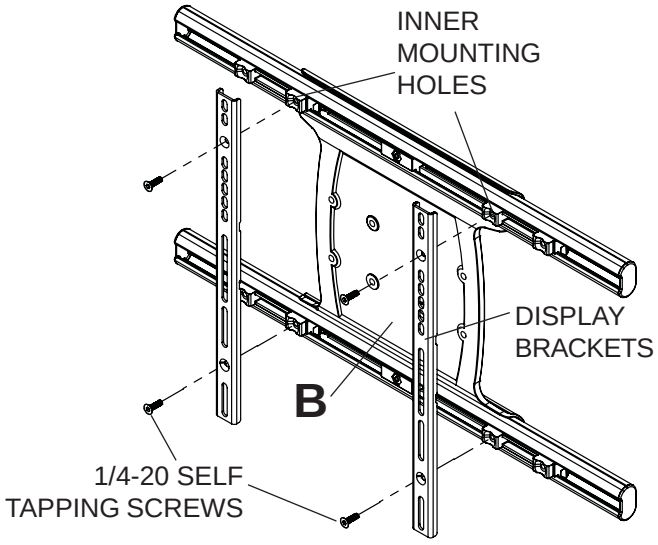
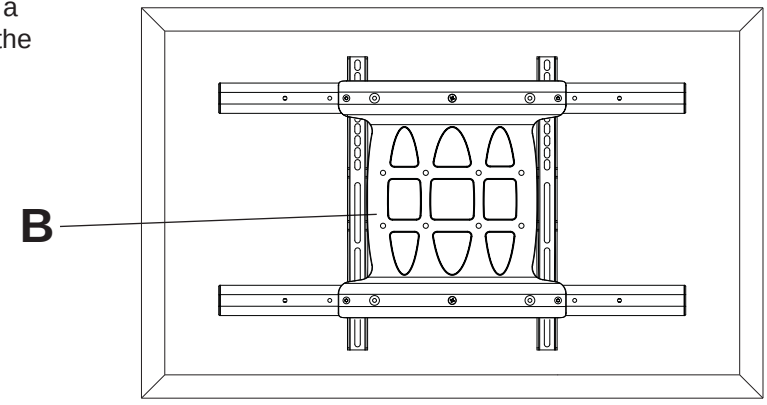
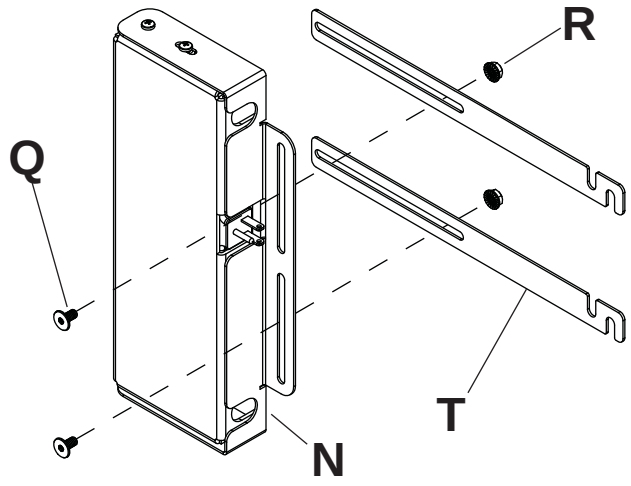


fig. 7.2

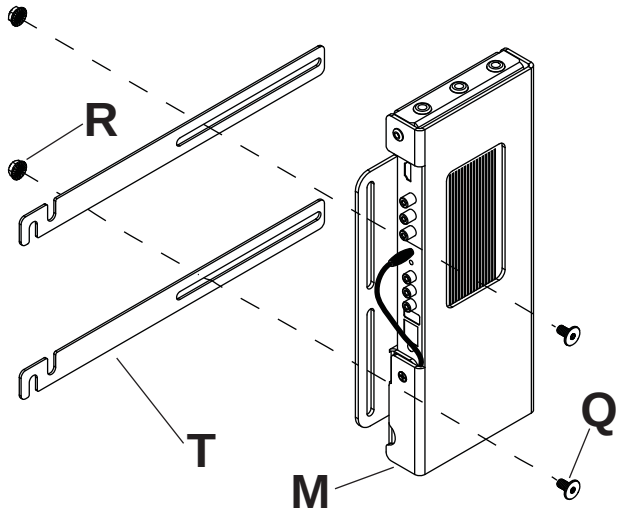
To prevent scratching the display, set a cloth on a flat, level surface that will support the weight of the display. Place display face side down and place universal adapter bracket (**B**) onto display.



7-2 Loosely attach the large enclosure mounting bracket (**T**) on the power module assembly (**N**) with two 1/4-20 decorative screws (**Q**) and two 1/4-20 nuts (**R**) as shown. **NOTE**: The enclosure mounting bracket can be installed with the inside notch facing downward if additional side to side adjustment is needed.



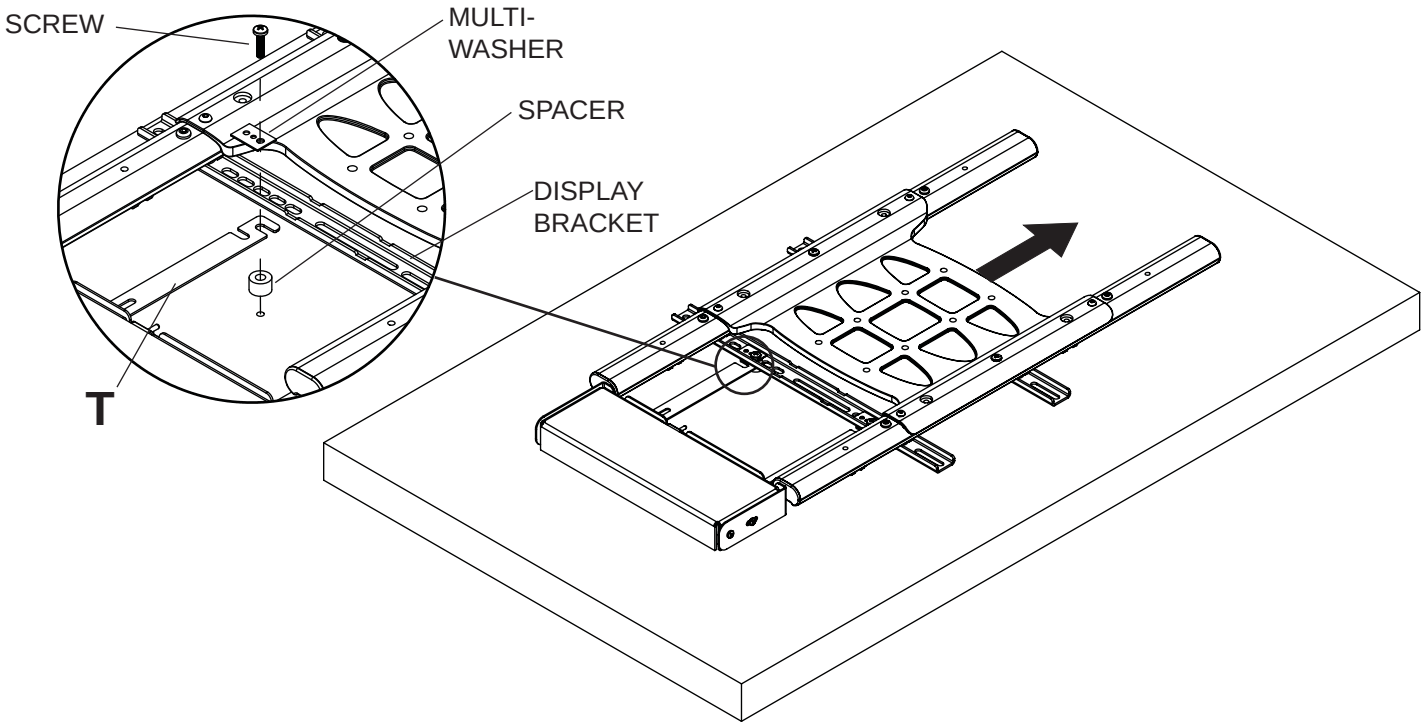
7-3 Loosely attach the large enclosure mounting bracket (**T**) on the wireless receiver assembly (**M**) with two 1/4-20 decorative screws (**Q**) and two 1/4-20 nuts (**R**) as shown. **NOTE**: The enclosure mounting bracket can be installed with the inside notch facing downward if additional side to side adjustment is needed.



7-4 Align one display bracket with one set of display mounting holes. Place spacers between display bracket and display. Place the enclosure mounting brackets (**T**), open end of notch facing downward, between the display bracket and spacers.

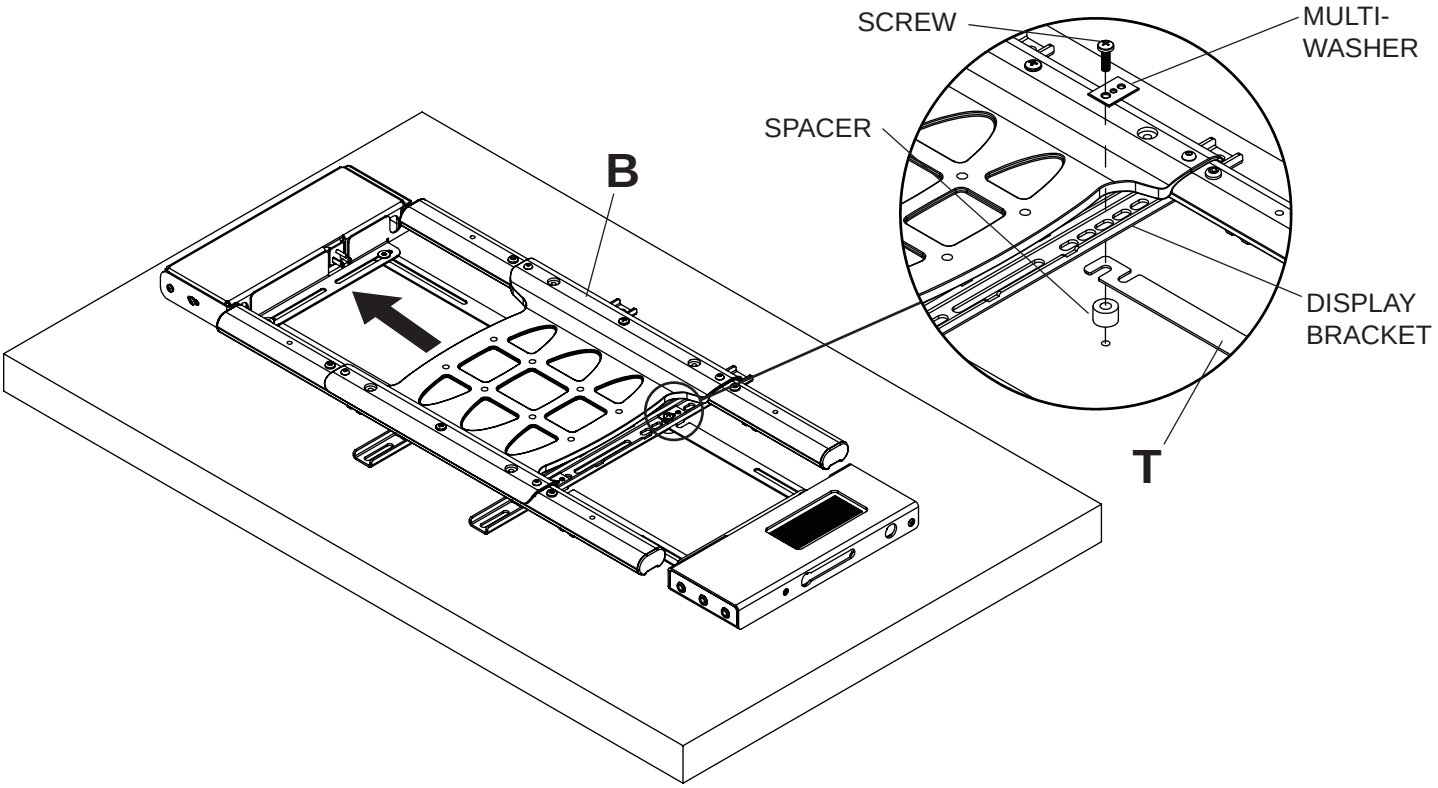
Begin with the longest length screw, hand thread screw through the multi-washer, display brackets, enclosure mounting brackets (**T**) and spacer into display as shown. Screw must make at least three full turns into the mounting hole and fit snug into place. Do not over tighten. If screw cannot make three full turns into the display, select a shorter length screw from the baffled fastener pack.

Center display brackets vertically. Position the enclosure mounting brackets (**T**) horizontally making sure that the notch in the brackets are seated on the screws. Tighten screws.



7-5 Slide universal adapter bracket (**B**) to the opposite side and align second display bracket with second set of display mounting holes.

Hand thread screws through the multi-washer, display brackets, enclosure mounting brackets (**T**) and spacer into display as shown. Tighten all screws.



7-6 Center universal adapter bracket (**B**) horizontally on back of display as shown in figure 7.3.

Tighten two 1/4-20 x 1.25" screws. Reinstall four 1/4-20 x .6" screws using 5mm allen wrench (**I**) into fixed-stop position 1 as shown in figure 7.4.

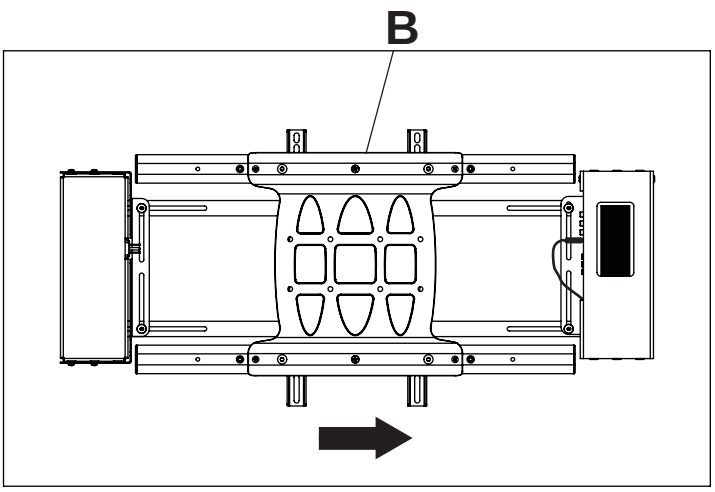
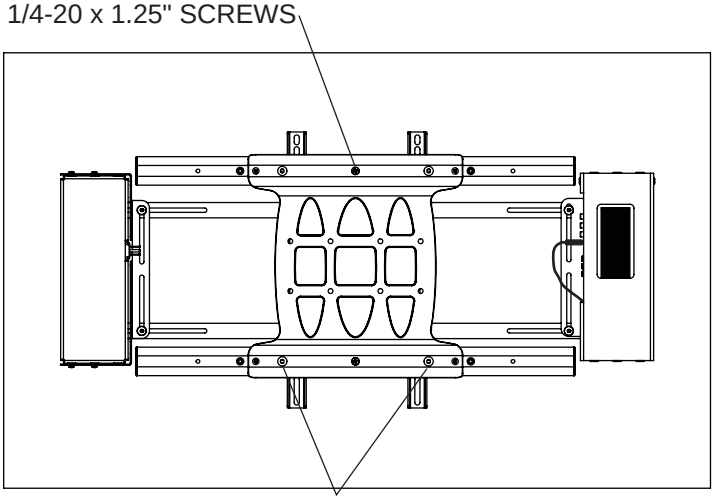


fig. 7.3

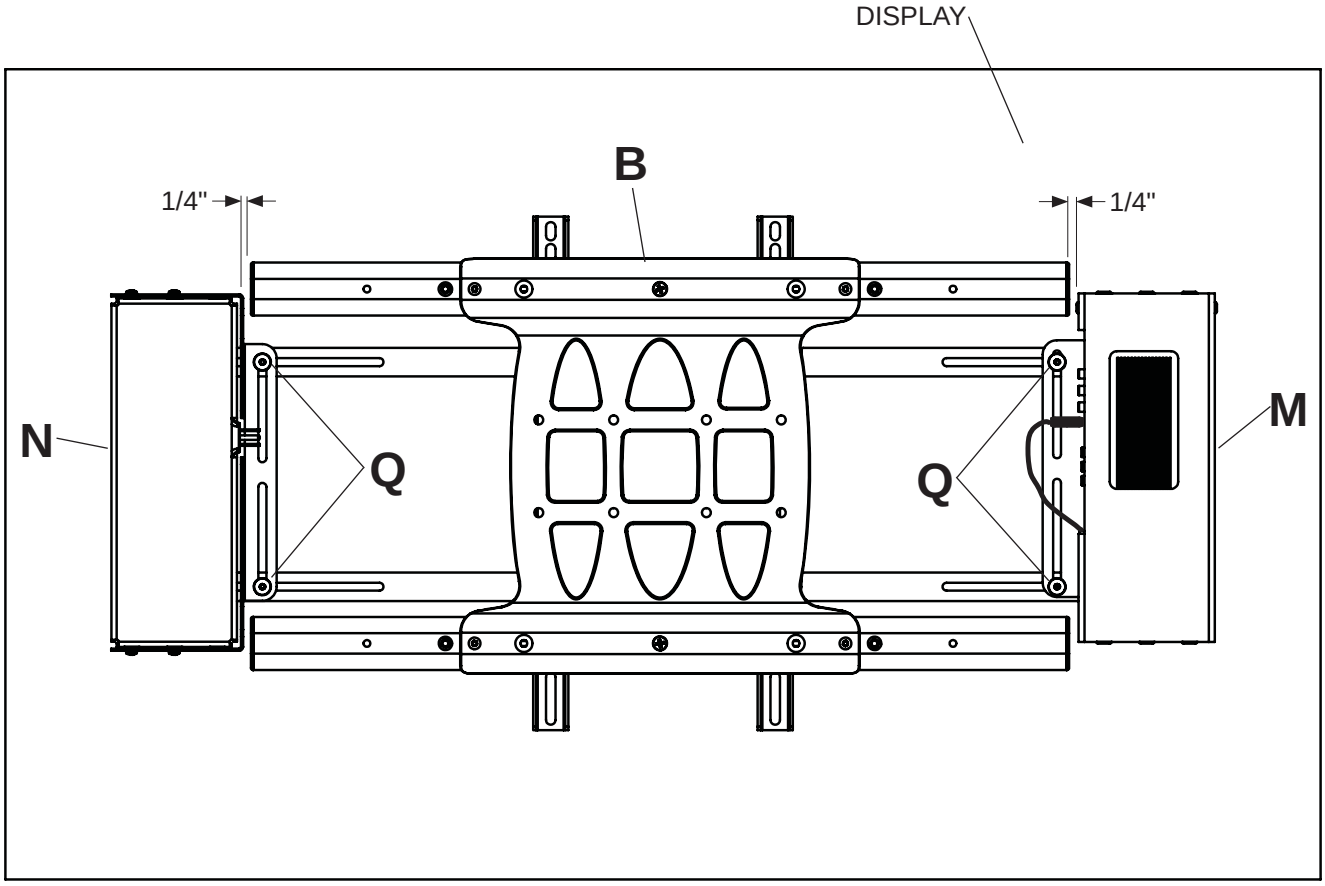


FIXED STOP POSITION #1 WITH
1/4-20 x .6" SCREWS

fig. 7.4

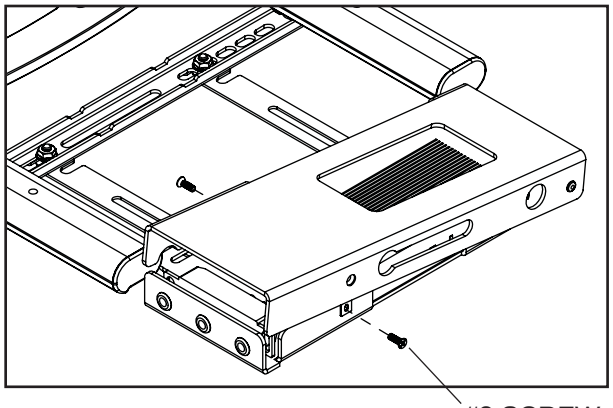
7-7 Position the wireless receiver assembly (**M**) and power module assembly (**N**) approximately 1/4" from the universal adapter (**B**) as shown. Once in position, tighten the four 1/4-20 decorative screws (**Q**) using using 4mm allen wrench (**L**) and a 7/16" open end wrench.

Skip to step 8.

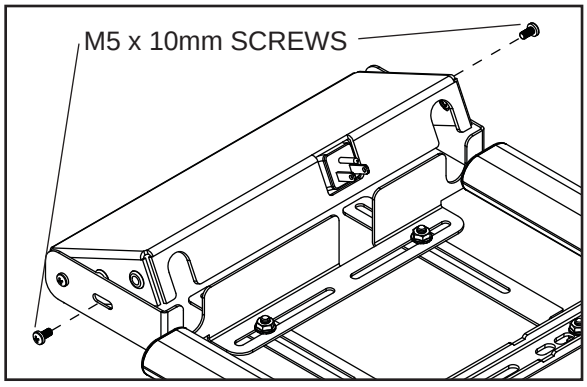


Wireless Receiver Assembly and Power Module Assembly Setup

8 Remove the two #8 screws securing the cover of the wireless receiver assembly as shown in detail 3. Open the enclosure to expose the wireless receiver and IR unit. Remove the two M5 x 10mm phillips screws and open the power enclosure as shown in detail 4.

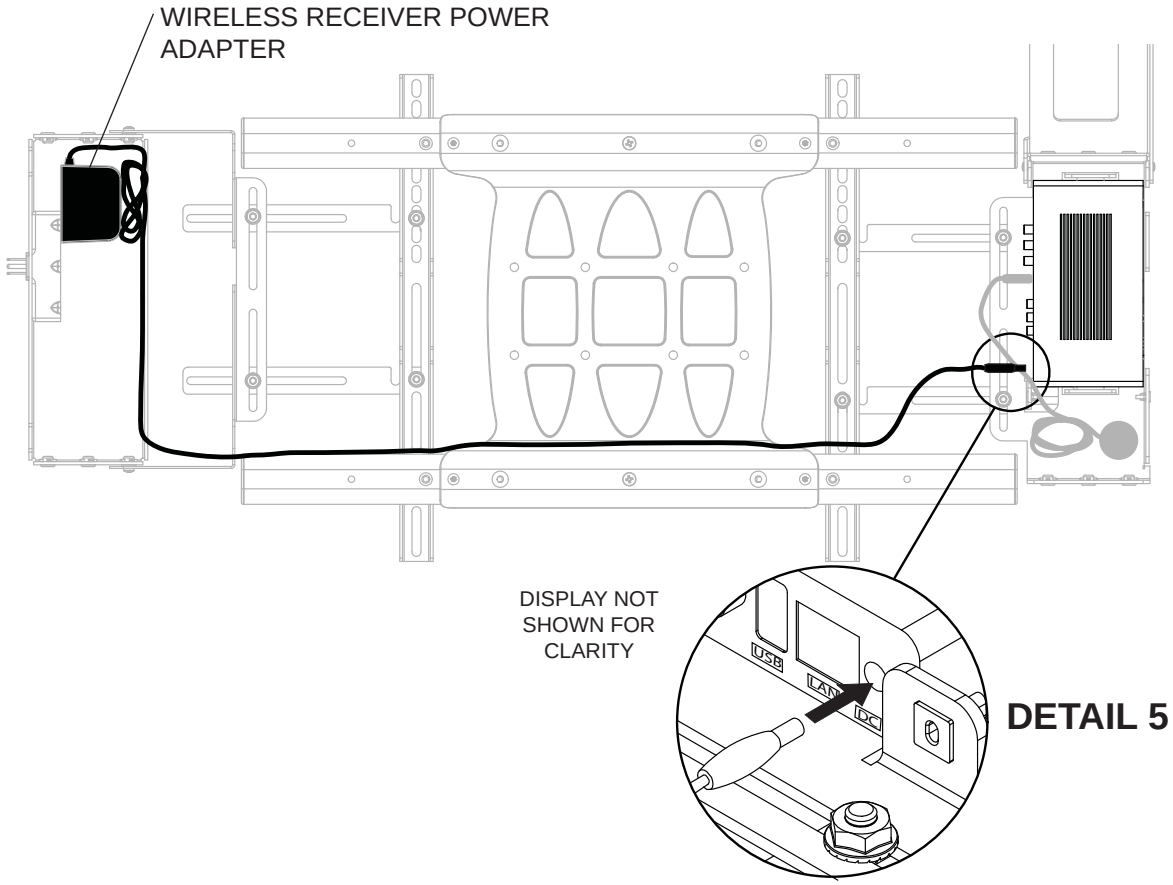


DETAIL 3



DETAIL 4

9 Untie the wireless receiver power adapter cord and route as shown below. Plug the end of the power adapter into the outlet marked **DC** on the wireless receiver as shown in detail 5. Coil up the excess cord and secure with a cable tie (**P**). Store the coiled cord between the power adapter and the power module wall as shown.



DETAIL 5

10 Locate the IR receiver inside of the wireless receiver enclosure shown in figure 10.1. Remove the tie from the cable and position the receiver on the display within line of sight of your remote as shown in figure 10.2. Remove the adhesive backing from the IR receiver eye and attach to the display. Coil up the excess cord near the wireless receiver enclosure and secure with a cable tie (**P**). Store the coiled cord back inside of the enclosure.

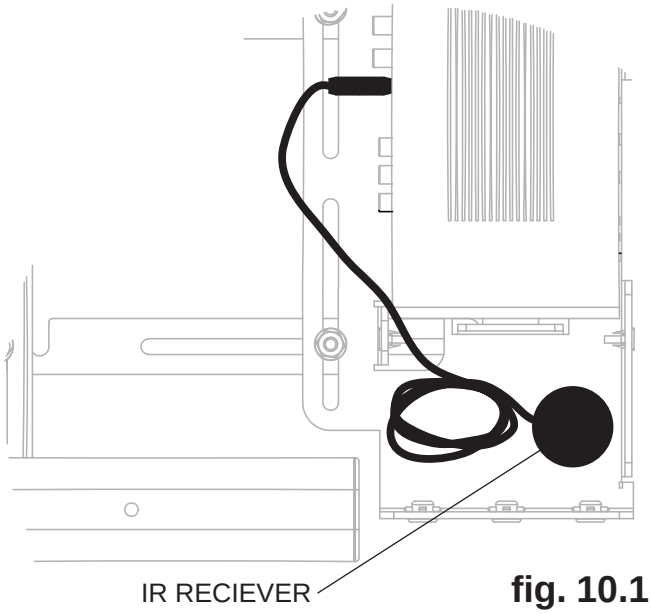


fig. 10.1

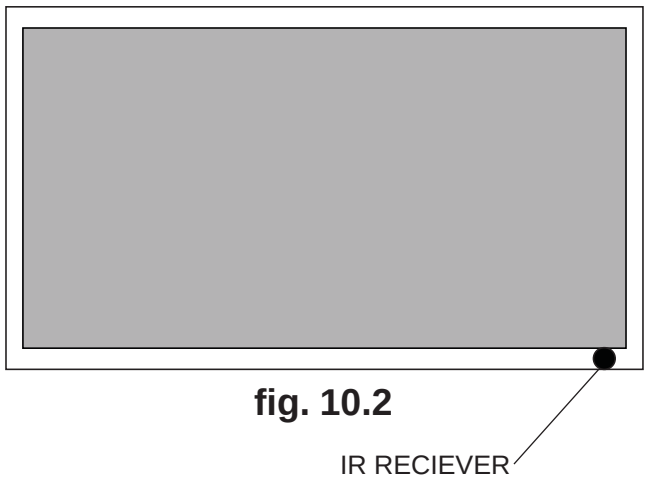


fig. 10.2

11 Close the top cover of the wireless receiver enclosure, making sure that the IR receiver cord runs underneath the cable opening as shown in figure 11.1. Re-install the two #8 screws.

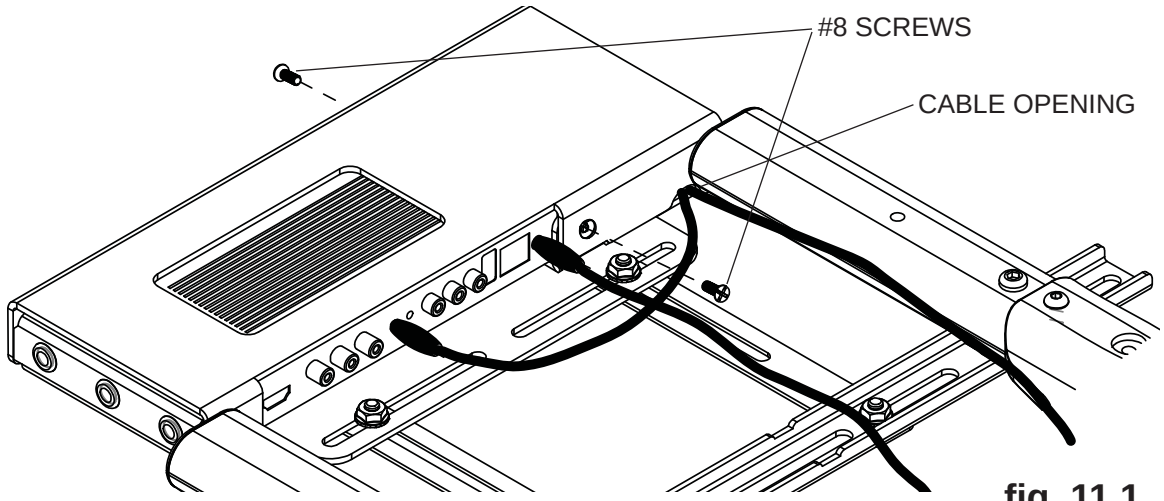
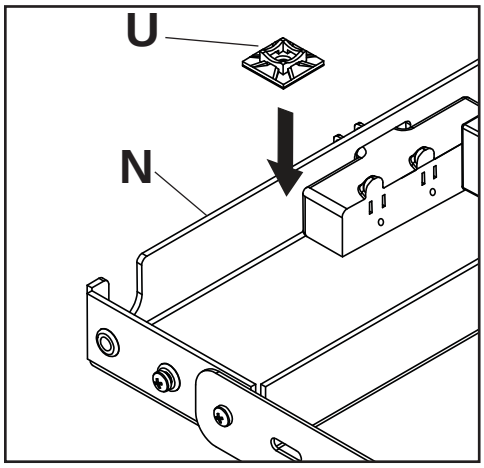
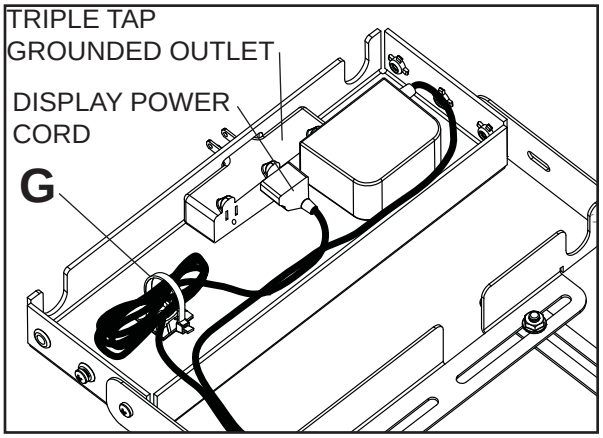


fig. 11.1

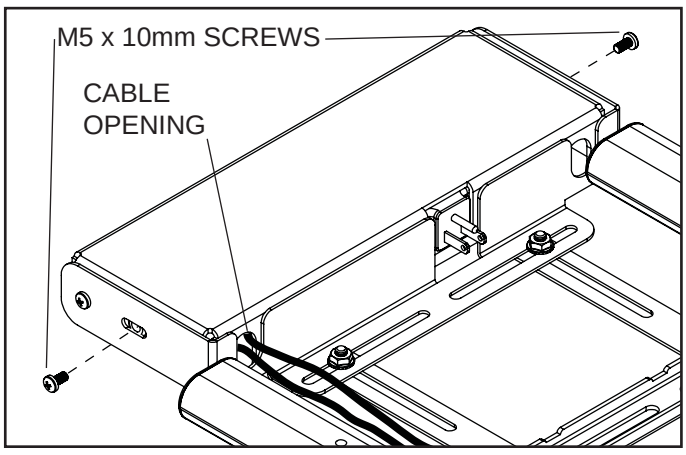
12 Install the cable tie anchor (**U**) onto the inside back wall of the power module assembly (**N**). Remove the adhesive backing from the anchor and press into place in the area shown.



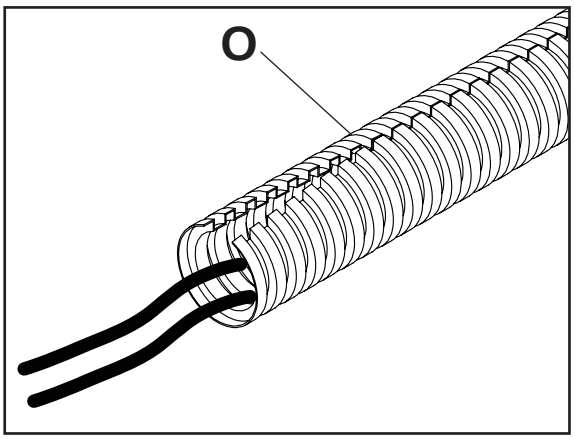
13 Plug the power cord from your display into the triple tap grounded outlet as shown. Coil up the excess cord and secure with a cable tie (**G**), inserting it through the cable tie anchor (**U**) and around the coiled cord.



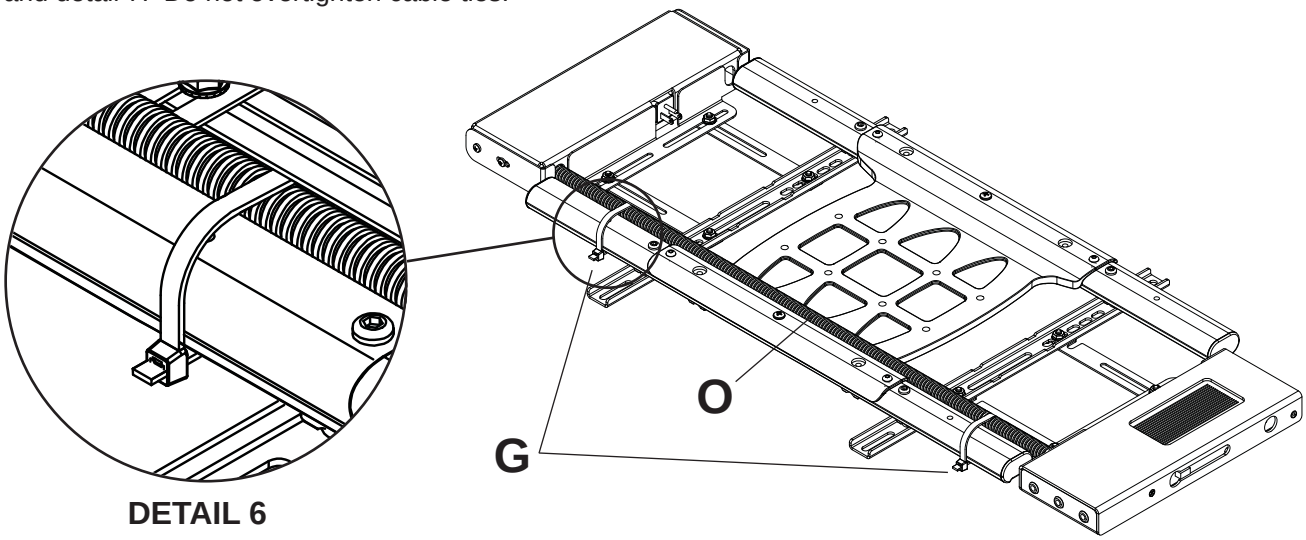
14 Close the top cover of the power module assembly (**N**), making sure that the power adapter cords run underneath the cable opening as shown below. Re-install the M5 x 10mm phillips screws.



15 Place the cords inside the cable management sheath (**O**) by pushing the cables through the slit in the sheath. **NOTE**: The sheat may need to be trimmed to length before installing cords.



16 Position the cable management sheath and secure with two cable ties in the approximate locations shown below and detail 7. Do not overtighten cable ties.



DETAIL 6

⚠ WARNING

- Do not lift more weight than you can handle. Use additional man power or mechanical lifting equipment to safely handle placement of the display.
- Do not tighten screws with excessive force. Overtightening can cause damage to mount. Tighten M10 x 15mm screws (**E**) to 40 in. • lb. (4.52 N.M.) maximum torque.

Mounting Flat Panel Display

17 Hook M10 x 15mm screws into keyslots of wall arm adapter plate (**A**) as shown figure 17.1.

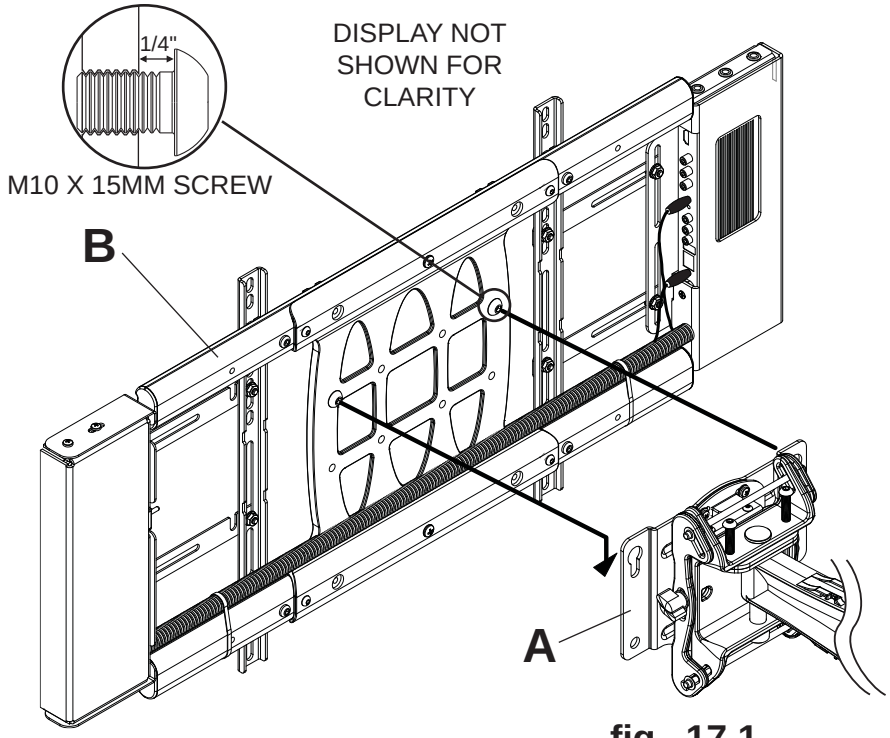


fig. 17.1

17-1 Insert two M10 x 15mm screws (**E**) into bottom holes of adapter plate as shown in figure 17.2. Tighten all fasteners with 6mm allen wrench (**H**).

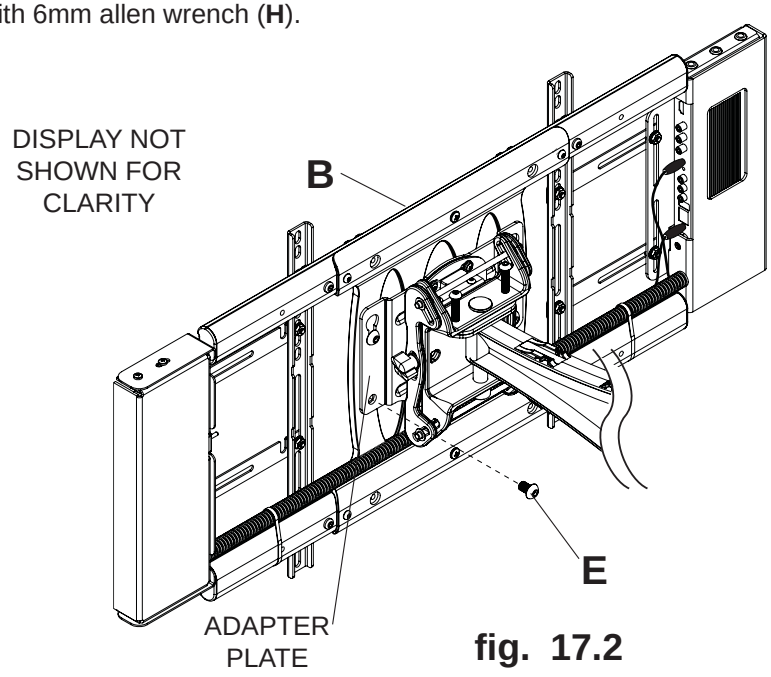


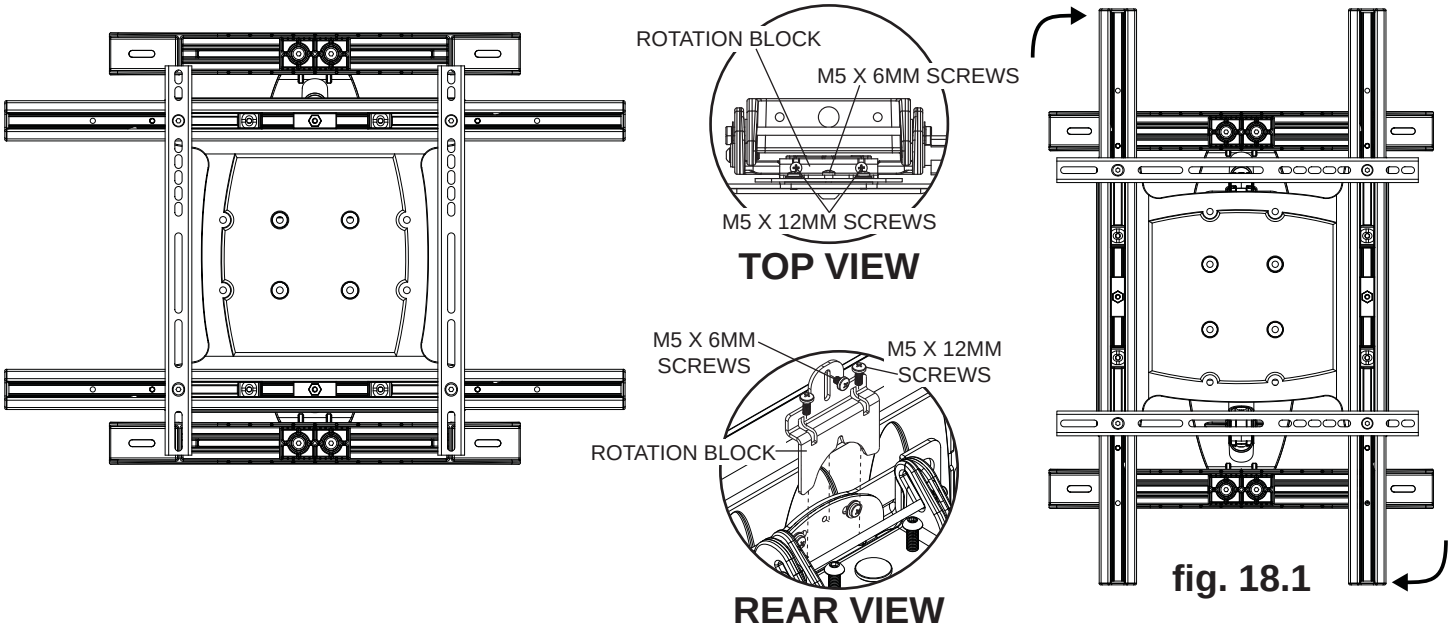
fig. 17.2

Adjustment of Flat Panel Display

⚠ WARNING

- M10 x 15mm screws (**E**) must be securly tightened before changing orientation of wall arm assembly (**A**). Failure to lock adapter bracket can cause display to come off of mount.

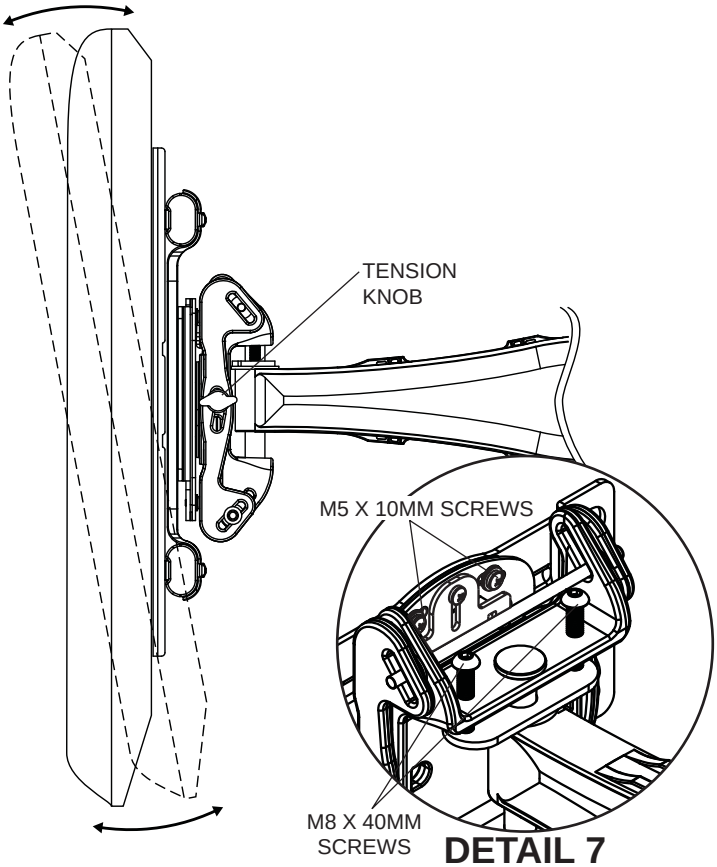
18 **FOR PORTRAIT OR LANDSCAPE DISPLAY ORIENTATION:** Remove two M5 x 12mm screws, one M5 x 6mm screw and rotation block from top of tilt head as shown in top view and rear view. Gently grasp sides of display and rotate display into portrait or landscape position as shown in figure 18.1 and reinstall rotation block with two M5 x 12mm screws and one M5 x 6mm screw. **NOTE:** M5 x 6mm screw required in landscape orientation only.



19 **TILT Adjustment:** Adjust tension knob on side of mount to desired tension to enable tilt adjustment and balance your display size and weight. Push or pull from top or bottom of display to adjust tilt as shown. The tilt can be adjusted to a maximum of 10° forward or 5° backward. Retighten tension knob. **NOTE:** For larger displays, tension screw on opposite side of mount may need to be tightened using 5/32" allen wrench (**L**).

ROLL Adjustment: Rotate display 5° clockwise or counter-clockwise, level display then tighten M5 x 10mm screws as shown in detail 8.

FOR VERTICAL HEIGHT ADJUSTMENT: Tighten or loosen M8 x 40mm screws to achieve ± 1" of vertical height adjustment as shown in detail 7. **NOTE:** M8 x 40mm screws must be turned an equal number of times.

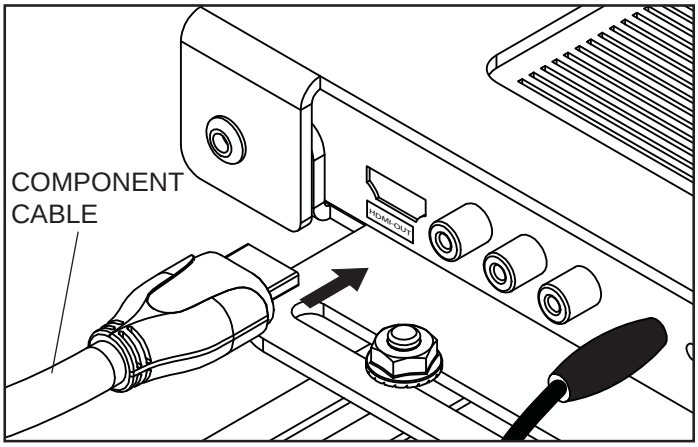


CAUTION

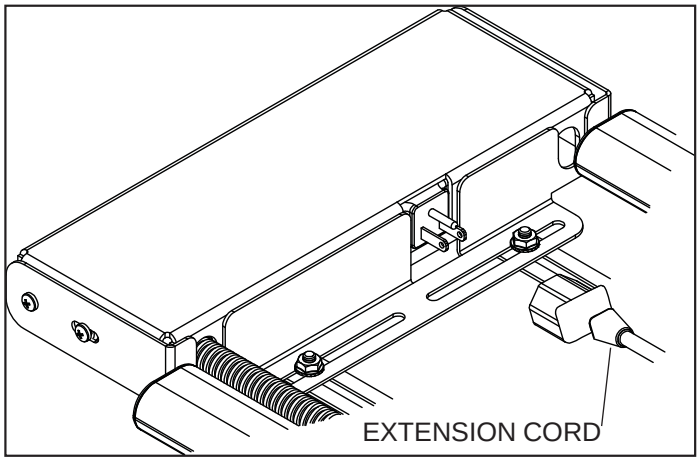
- Do not tighten screws with excessive force.
- Be careful not to pinch fingers when opening and closing mount from the wall.

ISSUED: 08-24-12 SHEET #: 180-9036-3 10-31-12

20 Plug the component cable(s) from your display (HDMI shown) into the wireless receiver.



21 Plug extension cord (not included) into the tripe tap grounded outlet.

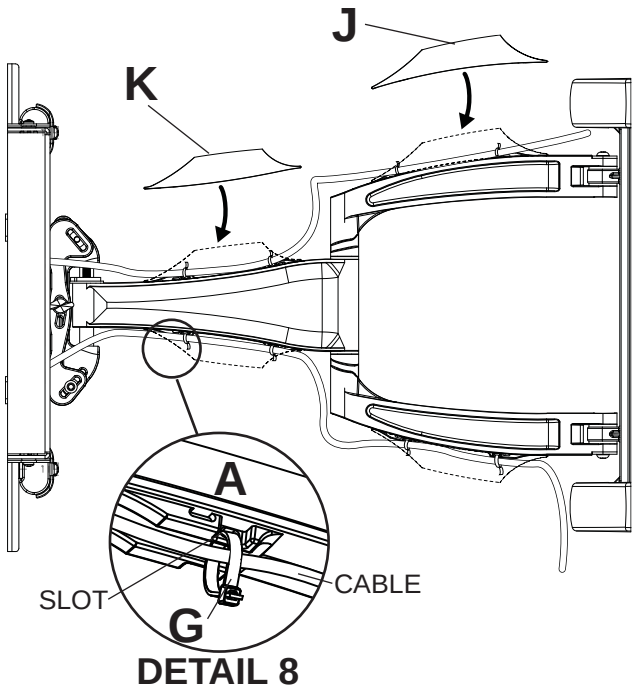


Cable Management

22 **NOTE:** Make sure extension cord (not included) has enough slack to allow full movement of the arm.

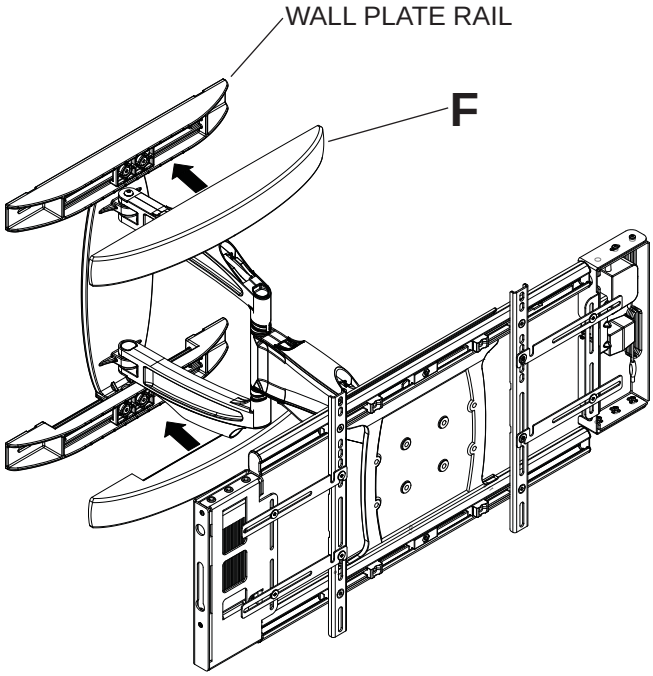
Run extension cord (not included) through top or bottom of arm (**A**). Lock cables into place by snapping cable covers (**J & K**) onto mount as shown. Display may have to be moved for easy access.

Optional: If additional cable management is required route cable ties (**G**) through slots of arm (**A**) as shown in detail 8.



DETAIL 8

23 Snap wall plate covers (**F**) to top and bottom of wall plate rails as shown.

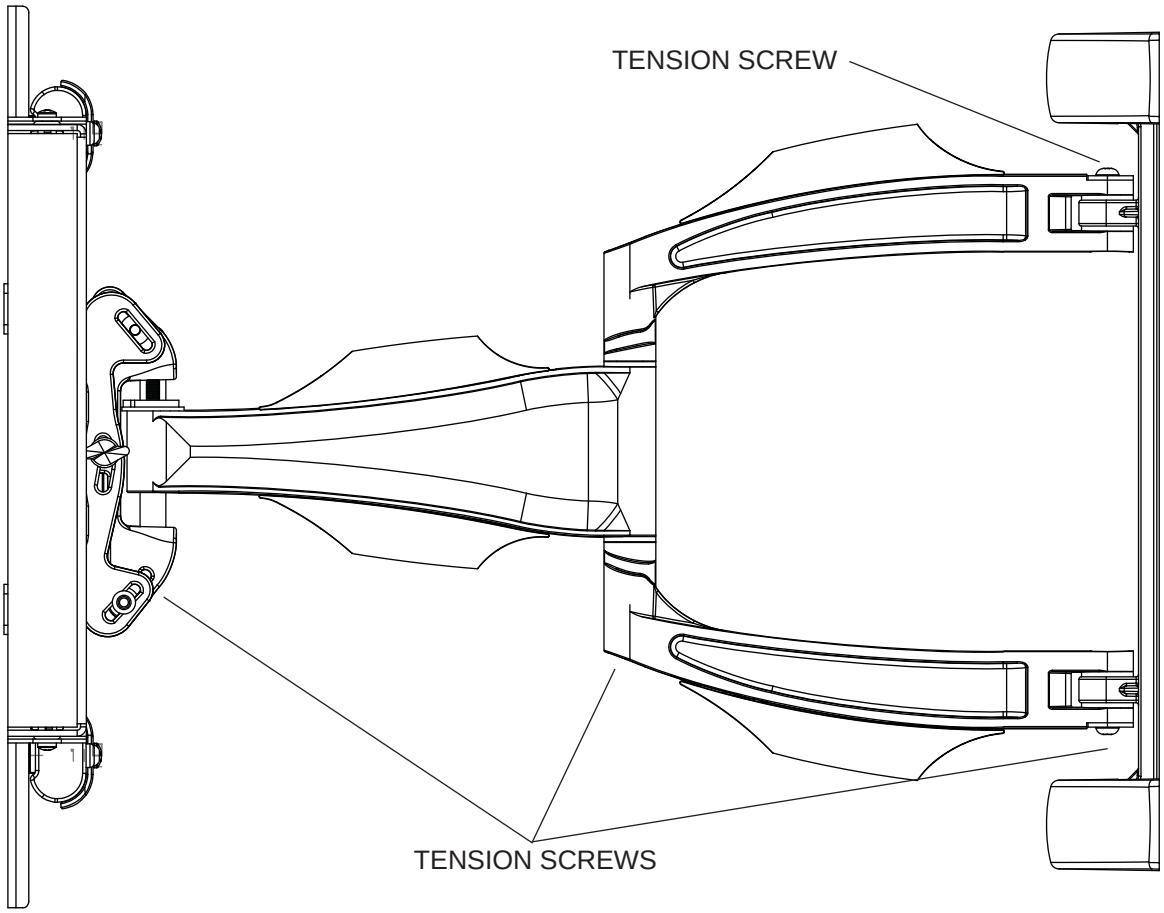


Arm Tension Adjustment

⚠ WARNING

- Do not remove screw or loosen screw until it is no longer engaged with the mount. Doing so may cause the display to fall.
- If screws become loose over time, tighten screws as necessary. Tighten screws to 50 in • lbs (5.6 N.m.) maximum torque.

24 If more or less tension is desired in the arm pivot points, do the following:
• To increase tension, turn socket screw clockwise with 5mm allen wrench (**I**). **NOTE: Tighten screws to 50 in • lbs (5.6 N.m.) maximum torque.**
• To reduce tension, turn socket screw counter-clockwise with 5mm allen wrench (**I**). **NOTE: Do not turn more than half a turn.**



25 Plug extension cord into power source.

To complete the installation of your wireless mount, please refer to the HD Flow™ User's Manual and the HD Flow™ Install Guide included.

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This warranty does not cover damage caused by (a) service or repairs by the customer or a person who is not authorized for such service or repairs by Peerless-AV®, (b) the failure to utilize proper packing when returning the product, (c) incorrect installation or the failure to follow Peerless-AV®’s instructions or warnings when installing, using or storing the product, or (d) misuse or accident, in transit or otherwise, including in cases of third-party actions and force majeure. This warranty also does not cover corrosion or rust resulting from damaged, scratched or chipped paint or other surfaces.

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Product	Warranty Period
Mounts	5 years
Furniture	1 year
Cables	25 years
Cleaning Products	1 year
Electronic Products and components	1 year

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